# PRESENTATION OF TRAVEL TIME AND DELAY DATA IN TRAFFIC ENGINEERING

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## Abstract

In this paper time contour lines are particularly well suited for the comparison of the various routes leading from the central district and for estimating the time that may be saved by planning a new or improved facility. The bar charts indicate causes and distribution of delays and are used to compare before and after results when changes have been made. There are also presented speed profiles, which give the variation in average running speed and average overall speed of traffic along a given route, through different types of development or on block by block basis and speed zone or delay zone maps. The delay equation presented in the paper indicates that delay is directly related to length of approach to turning lane and this is contrary to what might be expected. The length of approach was associated with a high volume intersection which had a relatively large number of turning movements. These conditions contributed to increased delays.

## Keywords

Travel time, delay, maps, charts, frequency distribution